APPENDIX I

PLANNING TOOLS - TPFDD ACTIONS

APPENDIX I - PLANNING TOOLS - TPFDD ACTIONS

I.1   PURPOSE

The Manage Time Phased Force Deployment Data (TPFDD) function allows the medical planner to translate hospital bed requirements into hospital unit type code (UTC) force requirements. The Manage TPFDD function also allows the medical planner to develop data elements necessary to build both medically related non-unit cargo (NURC) and non-unit personnel (NURP) TPFDD records in support of a theater of operations.

I.2   GENERAL

The Manage TPFDD function allows the Service and Joint medical planner to develop a time-phased UTC listing of hospital UTCs whose bed mix approximates the bed mix calculated by the MEPES computational process. This function provides the medical planner with the capability to develop medically related non-unit personnel (NURP) and non-unit cargo (NURC) TPFDD data elements for the Strategic Medical Evacuation (STRAT MEDEVAC) TPFDD, the AE Crew Recovery TPFDD, the Supply Class VIIIA (Medical Material) Resupply TPFDD, the Supply Class VIIIB (Blood) Resupply TPFDD, and the AE Related Equipment Recovery TPFDD.

I.3   SPECIAL OPTIONS

I.3.1   Create Hospital Force Records

MEPES allows the medical planner to generate a time-phased list of hospital UTCs whose bed mix approximates the bed mix calculated by the MEPES computational process. To do this, the medical planner must have first created a MWF/JMWF and executed the PLG/MPM computational process. Once the computations have been completed, the medical planner will use the computed bed requirements to populate the on-screen graphs. The graphs will display the total computed bed requirements and the computed individual bed acuity level requirements for the MWF selected. If there are hospital UTCs contained in the PAR used to create the MWF, then MEPES will also display the current level of bed capabilities. If there are no hospital UTCS contained in the PAR, only the bed requirements line will be provided. The planner may chose the level of detail to be shown. The data may be shown by OPZONE/Sector level, by OPZONE level, or by Theater level. If the user is a Joint planner then the data may be displayed by OPZONE and Theater levels only. The on-screen display will include input fields that will allow the medical planner to input hospital UTC data. The input data includes the hospital UTC, the Service, the UTC description (populated if a standard UTC, or entered by planner if a non standard UTC is used), the Required Delivery Date (RDD), the Destination GEOLOC, the Country Code (populated), the OPZONE/Sector, and the Civil Engineering Support Code (To Be Developed at a Future Date). As the planner enters the data, the hospital's bed capabilities will

be "bounced" against the requirements line. The planner is then able to add or subtract hospital UTCs to reach a match between the requirements and the capabilities that ensures the best possible hospital force structure without creating excessive overages or shortages. Once the planner has reached this optimum support level, the planner can generate a partial TPFDD worksheet.

I.3.2   Create Strategic Medical Evacuation TPFDD Data

The Joint medical planner will select a JMWF to compute the projected strategic medical evacuation requirements for the Theater. The computed results will provide the planner with evacuee quantities by OPZONE(s). The planner will select the strategic Aerial Port of Embarkation (APOE) to support the OPZONE/Sector(s). The planner will also select a Aerial Port of Debarkation (APOD) for each APOE, determine the type and quantity of aircraft to be used, the percent distribution of evacuees assigned to each type aircraft for each APOD, and the aggregation period. MEPES will generate a partial TPFDD worksheet to assist the planner with completion of the required TPFDD. The following rules are employed by MEPES during the worksheet generation.

RULES

- Origin GEOLOC equals APOE GEOLOC

- Destination GEOLOC equals APOD GEOLOC

- ALD equals RLD equals EAD minus (-) 1

- EAD equals first day of aggregation window

- LAD equals last day of aggregation window

- LAD equals RDD.

I.3.3   Create NURP Aeromedical Evacuation Crew Recovery TPFDD Data

Once the Strategic Medical Evacuation TPFDD worksheet has been generated, the planner will use this data to generate a AE Crew Recovery TPFDD worksheet. MEPES will use the STRAT MEDEVAC TPFDD flow to determine the quantity of AE Crew members used to support the evacuation and the APODs that were used. MEPES will generate a partial TPFDD worksheet to assist the planner with completion of the required TPFDD. The following rules are employed by MEPES during the worksheet generation.

RULES

- Origin GEOLOC equals APOE GEOLOC

- Destination GEOLOC equals APOD GEOLOC

- ALD equals RLD equals the RDD of the Strategic MEDEVAC plus planner defined delay. MEPES defaults this delay to three days. For example, if the RDD of the MEDEVAC is C-Day 023, then the ALD/RLD of the AE Crew is C-Day 026.

- EAD equals first day of aggregation window

- LAD equals last day of aggregation window

- LAD equals RDD.

I.3.4   Create NURC Aeromedical Evacuation Equipment Recovery TPFDD Data

Once the Strategic Medical Evacuation TPFDD worksheet has been generated, the planner will use this data to generate an AE Related Equipment Recovery TPFDD worksheet. MEPES will use the STRAT MEDEVAC TPFDD flow to determine the quantity of AE Equipment to support the evacuation and the APODs that were used. MEPES will generate a partial TPFDD worksheet to assist the planner with completion of the required TPFDD.

RULES

- Origin GEOLOC equals APOE GEOLOC

- Destination GEOLOC equals APOD GEOLOC

- ALD equals RLD equals the RDD of the Strategic MEDEVAC plus planner defined delay. MEPES defaults this delay to three days. For example, if the RDD of the MEDEVAC is C-Day 023, then the ALD/RLD of the AE Crew is C-Day 026.

- EAD equals first day of aggregation window

- LAD equals last day of aggregation window

- LAD equals RDD.

I.3.5   Create NURC Supply Class VIIIA - Medical Resupply TPFDD Data

Once the MEPES computational process has generated Class VIIIA requirements, the medical planner may generate Class VIIIA TPFDD data elements for input into the LOGSAFE Non-unit TPFDD record module. The planner will generate an ASCI flat file and export this file to the Host system where LOGSAFE will access. LOGSAFE will complete the required transportation parameters and generate Class VIIIA NURCs. The medical planner and the logistics planner must coordinate the LOGSAFE transportation rules to ensure accurate medical resupply support. This coordination should include TPFDD rules similar to those discussed above.

I.3.6 Create NURC Supply Class VIIIB - Blood Resupply TPFDD Data

Once the MEPES computational process has generated Class VIIIA requirements, the medical planner may generate Class VIIIB TPFDD data elements for input into the LOGSAFE Non-unit TPFDD record module. The planner will generate an ASCII flat file and export this file to the Host system where LOGSAFE will access. LOGSAFE will complete the required transportation parameters and generate Class VIIIB NURCs. The medical planner and the logistics planner must coordinate the LOGSAFE transportation rules to ensure accurate medical resupply support. This
coordination should include TPFDD rules similar to those discussed above.

I.3.7 Create NURC Supply Class I - Medical B Rations TPFDD Data

Although MEPES will allow the medical planner to compute projected Class I B Ration requirements, no current capability exists to generate Medical B Ration unique TPFDD data. This effort requires additional development which is beyond the scope of the MEPES Core functionality.

I.4 RESTRICTIONS AND LIMITATIONS

I.4.1 Number of OPLANs

MEPES can process only one (1) OPLAN at a time.

I.4.2 Automated Interfaces

I.4.2.1 NURP TPFDD Records. There is no current capability for MEPES to electronically interface with an external system that will generate NURP TPFDD records. MEPES will create a partial TPFDD worksheet with basic record data that the medical planner may use to complete existing JOPES TPFDD records.

I.4.2.2 NURC TPFDD Records. There is only a limited capability for MEPES to electronically interface with an external system to generate NURC TPFDD records. MEPES will create an ASCII flat file with limited amount of data that can be passed to the Host where LOGSAFE may access and generate the NURC TPFDD records for Class VIIIA and Class VIIIB items only. MEPES will generate a partial TPFDD worksheet for the AE Related Equipment Recovery NURC TPFDD records. The medical planner may use this worksheet to complete existing JOPES TPFDD records.

I.5 ERROR HANDLING

MEPES conducts a verification edit of all primary key data inputs. If data entries do not match required parameters, then MEPES will display an error message with the reason why. In addition, the error fields will be painted YELLOW.

I.6   OUTPUT

I.6.1   Medical Force Records

MEPES will generate the planner created listing of Hospital UTCs containing the UTC, Service, OPZONE/Sector, Destination GEOLOC, Country Code, and Quantity.

I.6.2   Strategic Medical Evacuation Records

MEPES will generate a partial TPFDD worksheet which will display a record with the APOE and APOD GEOLOCs, the LAD, and the quantity of evacuees requiring movement.

I.6.3   AE Crew Recovery Records

MEPES will generate a partial TPFDD worksheet which will display a record with the APOE and APOD GEOLOCs, the LAD, and the quantity of AE crew members requiring movement.

I.6.4   AE Related Equipment Recovery Records

MEPES will generate a partial TPFDD worksheet which will display a record with the APOE and APOD GEOLOCs, the LAD, and the amount of AE Related Equipment requiring movement.

I.6.5   Class VIIIA Resupply Records

MEPES will generate an ASCII flat file for exporting Class VIIIA Resupply Records to the Host and the LOGSAFE application.

I.6.6   Class VIIIB Resupply Records

MEPES will generate an ASCII flat file for exporting Class VIIIB Resupply Records to the Host and the LOGSAFE application.

I.7   INPUT

The Service medical planner selects the Service MWF that will be processed. The Joint medical planner selects the JMWF that will be processed. The following steps describe the process for TPFDD Action execution.

Step 1 - MEPES TPFDD Actions Main Panel Display

Figure I-1: TPFDD Main Panel.

Step 2 - Access to TPFDD Actions Menu

Select < *TPFDD* >

Step 3 - TPFDD Actions Menu Display

MEDICAL FORCE RECORDS
NON-UNIT TPFDD TRANSFER
NON-UNIT TPFDD REPORTS

Select < *TPFDD Actions menu option* >

If < *Medical Force Records* >, go to step 4
If < *Non-Unit TPFDD Transfer* >, go to step 8
If < *Non-Unit TPFDD Reports* >, go to step 9

Step 4 - Create Medical Force Records Menu Display

IDENTIFY MWF
ASSIGN MEDICAL FORCES
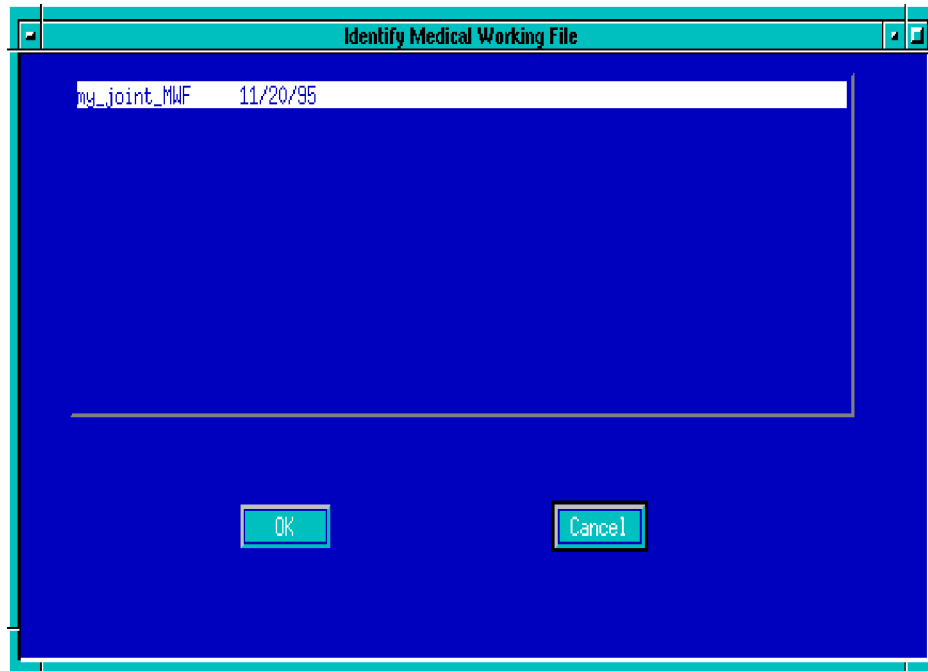GENERATE MEDICAL FORCE LISTING

Select < *Create Medical Force Records menu option* >

If < *Identify MWF* >, go to step 5
If < *Assign Medical Forces* >, go to step 6
If < *Generate Medical Force Listing* > , go to step 7

Step 5 - Identify MWF

Figure I-2: List MWF Panel.

Select < MWF data record >, then Double Click, or Click on **OK** button. User returned to the
TPFDD Actions Main Panel.

Step 6 - Assign Medical Forces

If the MWF or JMWF contains Hospital Units in the TPFDD, MEPES will display the Medical Force Records Window (See Figure I-3) with both computed total bed requirements and the current total bed capabilities (if any) shown. If there are no Hospital Units on the TPFDD, this Panel will display only the computed total bed requirements. MEPES starts this process with OPZONE 1 Sector A.

TO ADD/CREATE A MEDICAL FORCE RECORD DATA RECORD

Click on OPZONE, Enter *OPZONE Number*. Press Enter.

If User is a Service planner, then MEPES allows the user to identify not only the OPZONE but also the Sector. To identify Sector Click on SECTOR, Enter *Sector Letter*. Press Enter.

If User is a Joint planner, then MEPES allows the user to identify the OPZONE only.

Click on DAY INTERVAL **RADIO** button to identify display interval.

Click on UTC data field. Enter a valid *UTC*. Or, Click UTC data field and Press **F3-List**.

MEPES will display a List Box of available UTCs. Select *<UTC data record >*, then Double Click, or Click **OK** button. MEPES will display selected UTC in the UTC data field.

Click on RDD. Enter a valid *RDD*. Click on GEOLOC. Enter a valid *GEOLOC*. Click on QUANTITY. Enter desired *Quantity* of UTCs. Once data record line has been completed, Click **ADD** button. MEPES will refresh the Panel displaying the added bed capability on graph.

NOTE: The Medical Force Records Main Panel displays the TOTAL bed requirements and TOTAL bed capabilities. MEPES provides an additional level of detail by displaying this data by Bed Acuity level. The user may view these bed acuity levels by Clicking **F8-Review**. Medical Force Records-ICU&ICW Panel is displayed for current OPZONE/Sector. User may change DAY INTERVAL by Clicking on desired **RADIO** button. After reviewing this panel, user may review MCW and CCW acuity levels by Clicking **F8-Review.** Medical Force Records - MCW&CCW Panel is displayed for current OPZONE/Sector. After reviewing, Click **F10-Back**. User Returned to Medical Force Records - ICU&ICW Panel Click **F10-Back**. User Returned to Medical Force Records Main Panel.

Continue to add hospital UTCs in a similar manner. Once planner has completed adding all hospital UTCs. Click **F11-Commit**. Medical Force Records Panel refreshes and reappears.

User may now add, modify, or delete a Data Record within this OPZONE/Sector, or may chose to work with another OPZONE/Sector. If user wants to continue within current OPZONE/Sector,

continue with desired step. If user wants to work with another OPZONE/Sector, Click **RADIO** for new OPZONE/Sector. Make further additions in similar manner.

IF NO further additions to Medical Force Records are required, Click **F10-Back**. User returned to TPFDD Main Panel.

TO CHANGE DATA WITHIN A MEDICAL FORCE RECORD DATA RECORD

Click on OPZONE, Enter *OPZONE Number*. Press Enter.

If User is a Service planner, then MEPES allows the user to identify not only the OPZONE but also the Sector. To identify Sector, Click on SECTOR, Enter *Sector Letter*. Press Enter.

If User is a Joint planner, then MEPES allows the user to identify the OPZONE only.

Click on DAY INTERVAL **RADIO** Button to identify display interval.

Select "< Medical Force Records data record >", then Double Click, or Click **OK** button. Data record displayed in input fields.

Click on, as necessary , -GEOLOC - QUANTITY.   Enter *GEOLOC*, and/or *Quantity* Changes. After changes, Click **MODIFY** button. Continue to change data records in similar manner. (MEPES automatically saves after every 10 data record entries).

NOTE: MEPES will not allow the primary identification fields to be changed. Primary fields used to identify a medical force record are: 1) UTC; 2) Service Code; 3) UTC Description; and 4) RDD. To change the RDD, the user must DELETE the incorrect data record and then ADD a new data record with the correct RDD.

Continue to change medical force records in a similar manner. Once all changes have been made, Click **F11-Commit**. Medical Force Records Panel refreshes and reappears

User may now add, modify, or delete a Data Record within this OPZONE/Sector, or may chose to work with another OPZONE/Sector. If user wants to continue within current OPZONE/Sector, continue with desired step. If user wants to work with another OPZONE/Sector, Click **RADIO** for new OPZONE/Sector. Make further changes in similar manner as above.

IF NO further changes to Medical Force Records are required, Click **F10-Back**. User returned to TPFDD Main Panel.

TO DELETE A MEDICAL FORCE RECORD DATA RECORD

Select "< Medical Force Records data record >", then Click **DELETE** button. Delete Confirmation Message Appears, Click **YES/CANCEL.** Continue to delete data records in a similar manner.

Once all deletions have been made, Click **F11-Commit**. Medical Force Records Panel refreshes and reappears.

User may now add, modify, or delete an Data Record within this OPZONE/Sector, or may chose to work with another OPZONE/Sector. If user wants to continue within current OPZONE/Sector, continue with desired step. If user wants to work with another OPZONE/Sector, Click **RADIO** for new OPZONE/Sector. Make further changes in similar manner.

IF NO further deletions to Medical Force Records are required, Click **F10-Back**. User returned to TPFDD Main Panel.
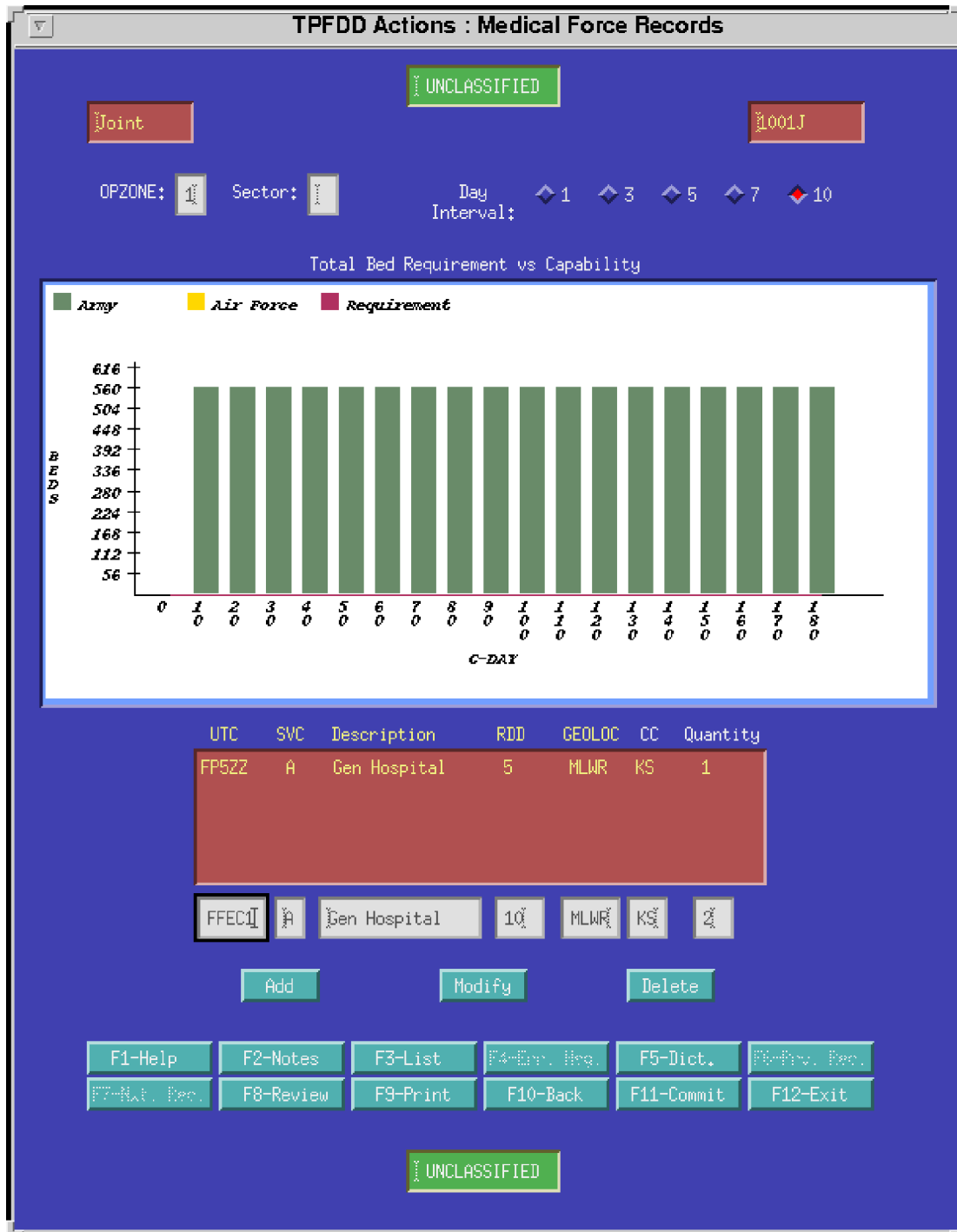
Step 6 - Assign Medical Forces (continued)
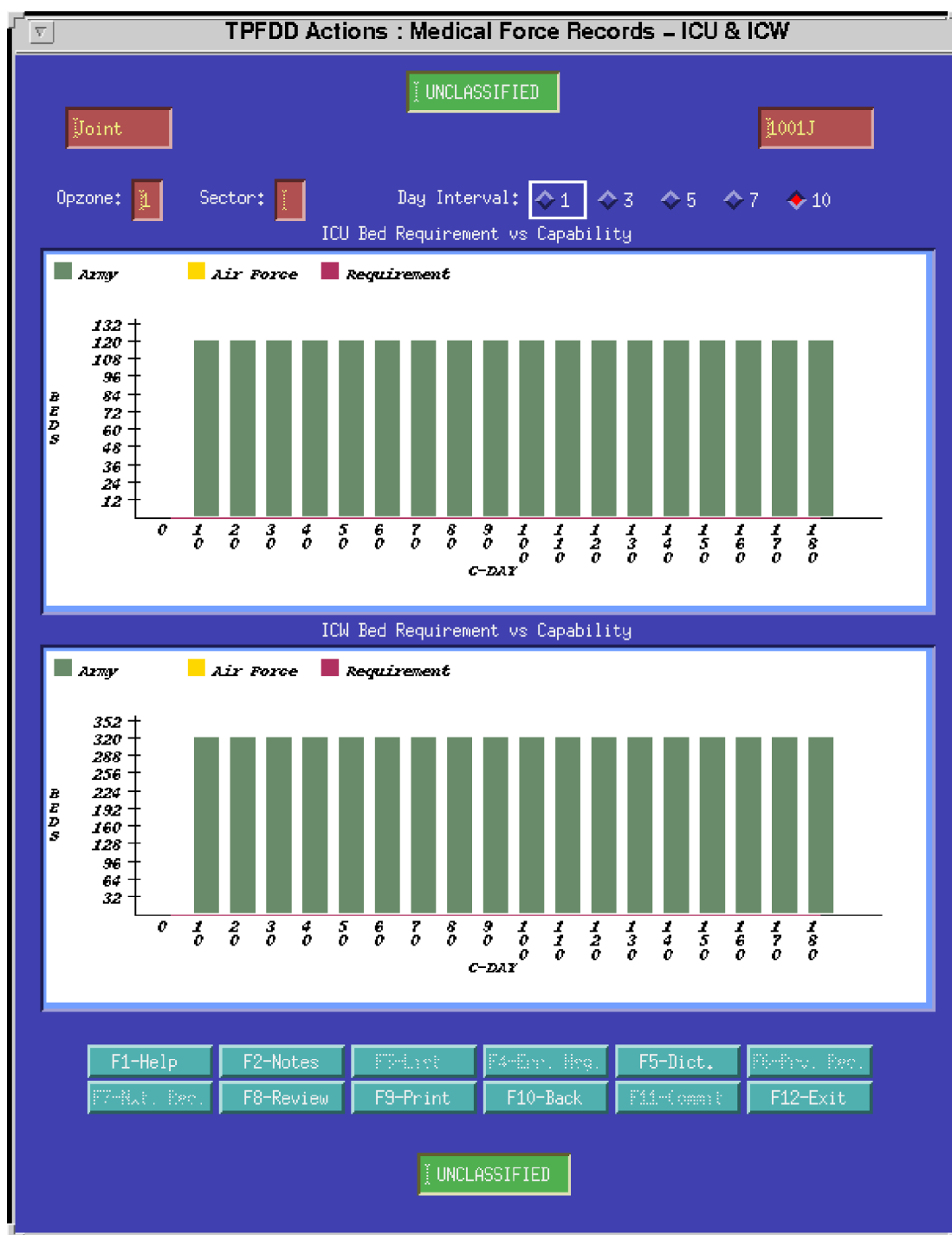
Figure I-3: Assign Medical Forces Panel.

Step 6 - Assign Medical Forces (continued)

Figure I-4: Medical Forces Sample ICU/ICW Panel.

Step 7 - Generate Medical Force Listing

MEPES displays a PRINT Request Message asking if user wants to PRINT Medical For**e**
Listing,

Click **YES/NO** button.

IF YES to printing, Printer Selection List Box appears. Select < Printer >, then Click **YES/CANCEL.**

IF YES to printing, User returned to TPFDD Actions Main Panel.

IF NO to printing, MEPES displays a VIEW Request Message asking if user wants to VIEW the Medical Force Records Listing. Click **YES/NO** button.

IF YES to viewing, Medical Force Records Listing displayed on screen. After review, Access Window Manager and Quit. User returned to TPFDD Actions Main Panel.

IF NO to viewing, user returned to TPFDD Actions Main Panel.

Step 8 - Non-Unit TPFDD Records Transfer

Non-Unit TPFDD Transfer Panel (see Figure I-5) is displayed.

MEPES allows the Service user to transfer Supply Class 8A Medical Supplies data from MEPES to the Host's LOGSAFE application.

MEPES allows the Joint user to transfer Supply Class 8B Blood and Blood Products from MEPES to the Host's LOGSAFE application.

Select " < MWF/JMWF data record > ", then Double Click.

Click on appropriate NON-UNIT CLASS **RADIO** button to identify Supply Class to process. Only one Non-Unit Class can be processed at time.

Select MEDIA, Click appropriate MEDIA **RADIO** button.

If Media is TAPE, Click **F11-Commit.** User returned to TPFDD Main Panel.

IF Media is HOST, then Enter medical planner's *HOST Access User ID; Project; Password; and Catalog/FileString data.* After entries, Click **F11-Commit.** User returned to TPFDD Main Panel.

Step 8 - Non-Unit TPFDD Records Transfer (continued)

Figure I-5: Non-unit TPFDD Transfer Panel.

Step 9 - Non-Unit TPFDD Reports

Non-unit TPFDD Reports Panel (see Figure I-6) is displayed.

MEPES allows the Joint user to process one, two, or all three non-unit reports at a time.

Select "< JMWF data record >", then Double Click.

Select PRINT TPFDD REPORT(s) by Clicking on desired number of **RADIO** button(s).

Select DAY INTERVAL by Clicking on appropriate **RADIO** button.

Click on STARTING PIN (for MEDEVAC). Enter a valid starting JM*PIN Number*.

Click on ENDING PIN (for MEDEVAC). Enter a valid ending JM*PIN Number*.

Click on STARTING PIN (for AE Crew). Enter a valid starting FK*PIN Number*.

Click on ENDING PIN (for AE Crew). Enter a valid ending FK*PIN Number*.

Click on STARTING CIN (for AE Equipment). Enter a valid starting FY*CIN Number*.

Click on ENDING CIN (for AE Equipment). Enter a valid ending FY*CIN Number*.

Click on CREW/EQUIPMENT DELAY (in days). Enter the desired number of *days after arrival* in CONUS that AE Crews and AE Equipment is available/ready to load for return to Theater

After all entries are completed, Click **F11-Commit**. User returned to TPFDD Main Panel.

Step 9 - Non-Unit TPFDD Reports (continued)

Figure I-6: Non-unit TPFDD Reports Panel.

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OPLAN ID  - 096KS
SERVICE   - Joint
SCENARIO  - Joint

                                   UNCLASSIFIED
                        STRATEGIC MEDEVAC TPFDD REPORT
```

RLD	APOE	ALD	APOD	EAD	LAD	DEST	RDD	# EVACUEES	PIN
10	00A3	10	AADS	11	20	AADS	20	3	JM00100
10	00A3	10	AAFX	11	20	AAFX	20	0	JM00101
20	00AB	20	AAZA	21	30	AAZA	30	34	JM00102
30	00AB	30	AAZA	31	40	AAZA	40	17	JM00103
40	00A6	40	AAGD	41	50	AAGD	50	7	JM00104
40	00A6	40	AAZV	41	50	AAZV	50	0	JM00105
40	00A6	40	AAZY	41	50	AAZY	50	2	JM00106
40	00AB	40	AAZA	41	50	AAZA	50	82	JM00107
50	00AB	50	AAZA	51	60	AAZA	60	111	JM00108
60	00AB	60	AAZA	61	70	AAZA	70	144	JM00109
70	00AB	70	AAZA	71	80	AAZA	80	153	JM00110
80	00AB	80	AAZA	81	90	AAZA	90	110	JM00111

```
                                  UNCLASSIFIED
```

Figure I-7: Sample Strategic MEDEVAC TPFDD Report.

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OPLAN ID  - 096KS
SERVICE   - Air Force
SCENARIO  - Joint

                             UNCLASSIFIED
                     AE CREW RECOVERY TPFDD REPORT

RLD  APOE  ALD  APOD  EAD  LAD  DEST  RDD  Returning Crew  PIN
---  ----  ---  ----  ---  ---  ----  ---  --------------  -------
25   AADS  25   00A3  11   20   00A3  20       15          FK00300
25   AAFX  25   00A3  11   20   00A3  20       15          FK00301
35   AAZA  35   00AB  21   30   00AB  30       20          FK00302
45   AAZA  45   00AB  31   40   00AB  40       35          FK00303
55   AAGD  55   00A6  41   50   00A6  50       35          FK00304
55   AAZV  55   00A6  41   50   00A6  50       35          FK00305
55   AAZY  55   00A6  41   50   00A6  50       35          FK00306
55   AAZA  55   00AB  41   50   00AB  50      100          FK00307
65   AAZA  65   00AB  51   60   00AB  60       70          FK00308
75   AAZA  75   00AB  61   70   00AB  70       80          FK00309
85   AAZA  85   00AB  71   80   00AB  80      100          FK00310
95   AAZA  95   00AB  81   90   00AB  90       85          FK00311

                             UNCLASSIFIED
```

Figure I-8: Sample AE Crew Recovery TPFDD Report.

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                              UNCLASSIFIED
                    AE EQUIPMENT RECOVERY TPFDD REPORT

OPLAN ID - 096KS
SERVICE  - Air Force
SCENARIO - Joint

RLD  APOE  ALD  APOD  EAD  LAD  DEST  RDD  STON Capacity    CIN
---  ----  ---  ----  ---  ---  ----  ---  -------------    -------
25   AADS  25   00A3  11   20   00A3  20         3.12       FY00500
25   AAFX  25   00A3  11   20   00A3  20         3.12       FY00501
35   AAZA  35   00AB  21   30   00AB  30         4.16       FY00502
45   AAZA  45   00AB  31   40   00AB  40         7.28       FY00503
55   AAGD  55   00A6  41   50   00A6  50         7.28       FY00504
55   AAZV  55   00A6  41   50   00A6  50         7.28       FY00505
55   AAZY  55   00A6  41   50   00A6  50         7.28       FY00506
55   AAZA  55   00AB  41   50   00AB  50        20.8        FY00507
65   AAZA  65   00AB  51   60   00AB  60        14.56       FY00508
75   AAZA  75   00AB  61   70   00AB  70        16.64       FY00509
85   AAZA  85   00AB  71   80   00AB  80        20.8        FY00510
95   AAZA  95   00AB  81   90   00AB  90        17.68       FY00511

                              UNCLASSIFIED
```

Figure I-9: Sample AE Equipment Recovery TPFDD Report.

```
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                    TPFDD ACTIONS MEDICAL FORCE RECORDS LIST
OPLAN ID - 096KS
SERVICE  - US Air Force
SCENARIO - Inc3MWFtest


  RDD  Opzone/Sector  UTC    Description      Quantity  Dest Geloc  Dest Cy
  ---  -------------  -----  ---------------  --------  ----------  -------
   26  F2A            FFGKA  ATH EQ                  1  DRUD        KS
   55  F1A            FFEB1  250-bed hosp            1  SMYU        KS
















                              UNCLASSIFIED
```

Figure I-10: Sample Medical Force Listing.

APPENDIX J

UTILITIES

APPENDIX J - UTILITIES

J.1 PURPOSE

The MEPES Utilities function allows the medical planner to transfer the MEPES Database to either a Tape or to the Host System.

J.2 GENERAL

MEPES provides the capability to transfer (Import/Export) the MEPES database to either a tape or to the Host System. The Medical planner may need to create a back-up MEPES Database to prevent loss of MEPES generated data. Since MEPES is a relational database, the planner should transfer (export) the entire database to ensure integrity of the data. If at a later date the planner wants to reintroduce this data to active process, the planner may transfer (import) the entire database back. This function also provides the medical planner with the capability to transfer (export) the MEPES Database to other sites through the GCCS network. The receiving site will then be able to transfer (import) the MEPES Database to the MEPES Server.

J.3 RESTRICTIONS AND LIMITATIONS

In order to maintain the created data relationships and data integrity when using the importing function, MEPES replaces all previously created data located in the MEPES tables.

J.4. ERROR HANDLING

MEPES conducts a verification edit of all primary key data elements. If data entries do not match required parameters, then MEPES will display an error message with a reason why.

J.5 OUTPUT

A MEPES Database tape(s) will be the primary output of this function.

J.6 INPUT

The medical planner will use the following steps to execute this Import/Export functionality.

tep 1 -Access to MEPES Utilities

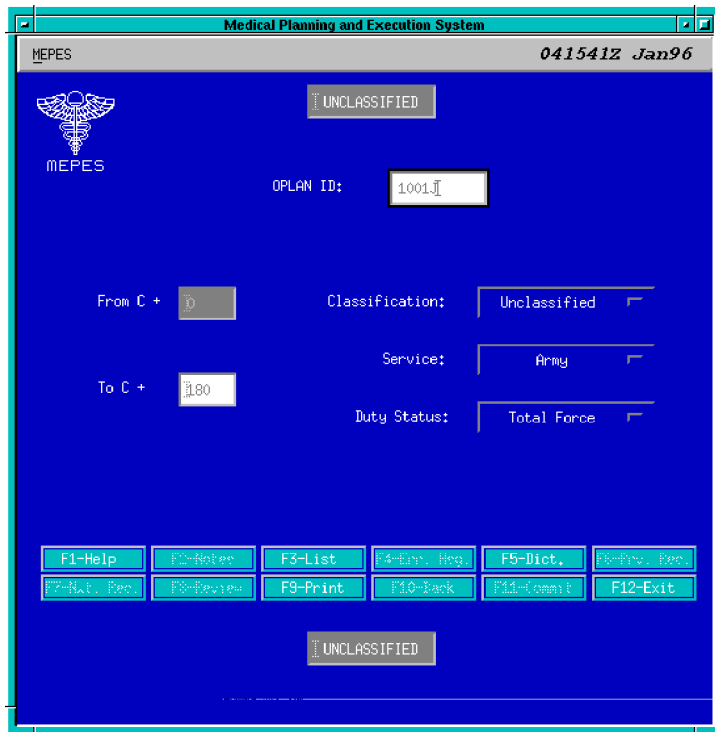From MEPES Main Window Click on MEPES MENU BAR. MEPES Main Menu appears.

Figure J-1: MEPES Main Panel.

Select < *MEPES Utilities* >

REFERENCE DATA
PLANNING TOOLS
MEDICAL THREAT/INTELL
PLANS & POLICIES
HOSPITALS
PERSONNEL
MEDICAL LOGISTICS
BLOOD
EVACUATION
UTILITIES
ASSESSMENT

MEPES < *Backup/Restore* > pop-up menu appears. Click on *<Backup/Restore >*.

BACKUP/RESTORE

Step 2 - Backup/Restore MEPES Database

Click on TRANSFER TYPE **TOGGLE** button to select transfer method. Click on MEDIA **TOGGLE** button to select the transfer Media.

IF Media is HOST, then Enter medical planner's *HOST Access User ID; Project; Password; and Catalog/FileString data.* After entries, Click **F11-Commit.** User returned to MEPES Utilities Main Window.

IF Media is TAPE, Click **F11-Commit**. MEPES reads first active tape drive with tape. User returned to MEPES Utilities Main Window.

Figure J-2: MEPES Backup/Restore Panel.

APPENDIX K

ASSESSMENTS

APPENDIX K - ASSESSMENTS

K.1 PURPOSE

The MEPES Assessments function allows the planner to graphically display MEPES computed medical workload data and medical support requirements.

K.2 GENERAL.

The planner must first have executed the PLG/MPM computational process on a selected MWF/JMWF. Once the computations have been completed, the planner may then access the Assessment function to prepare various types of graphs. Depending on the data selected, the planner may display data in a Pie, Line, or Bar chart format. In addition, MEPES will present the user with available menu options. The Service planner will be presented with a limited menu capability because certain data requires a JMWF as the source input file. The Joint planner is presented with additional menu capability because of the JMWF access.

K.3 SPECIAL OPTIONS

K.3.1 Display Admission and Disposition Workload

MEPES allows the medical planner to generate a time-phased graph of hospital admissions by OPZONE/Sector, by OPZONE, or by Theater level of detail. The graph will allow the planner to display data in the MEPES standard reporting intervals of 1, 3, 5, 7, or 10 days starting at C-Day through the end of the OPLAN. MEPES allows the planner to display the data by either individual admission category or as a total. The planner may select to display the admissions for Combat forces, Combat Support forces, or combined. By invoking the F8-Review key, MEPES will display the dispositions associated with the OPZONE/Sector being reviewed. Once the planner enters the disposition panel, various presentation options are available. The graph can display dispositions by the number of RTDs, DIHs, Evacuees, or total dispositions for the OPZONE/Sector being reviewed. MEPES allows the Service planner to display data by OPZONE/Sector level of detail. The Joint planner may display data at the OPZONE level of detail.

K.3.2 AE Air Crew Requirements (Joint User Only)

MEPES allows the Joint medical planner to generate a time-phased graph of AE air crew requirements by OPZONE and by Theater level of detail. The graph will allow the planner to display data in the MEPES standard reporting intervals starting at C-Day through the end of the OPLAN. MEPES will display air crew requirements for both tactical and strategic crews. The graph will display the number of crew members required to support the Theater over time. The planner may chose to display the data as a side-by-side bar graph or as a line graph.

K.3.3   COA Analyzer (Not Activated)

K.3.4 Class I Requirements

MEPES allows the medical planner to generate a time-phased graph of Class I B Ration requirements by OPZONE/Sector, OPZONE, or Theater level of detail. The graph will use the MEPES standard reporting intervals as selected by the planner. MEPES will display Class I B Ration requirements as the categories of B Rations and Medical B Rations.   The graph will display the number of pounds of each category over time required to support the hospital patient population. The planner may chose to display the data as a side-by-side bar graph or as a line graph.

K.3.5 Class VIIIA Requirements

MEPES allow the medical planner to generate a time-phased graph of Class VIIIA Medical Supply requirements by OPZONE/Sector, OPZONE, or Theater level of detail. The graph will use the MEPES standard reporting intervals as selected by the planner. MEPES will display the number of pounds of medical supplies required to support the Theater. MEPES will display the data as a bar graph.

K.3.6 Class VIIIB Requirements

MEPES allows the medical planner to generate a time-phased graph of Class VIIIB Blood and Blood Product requirements by OPZONE/Sector, OPZONE, or Theater level of detail. The graph will use the MEPES standard reporting intervals as selected by the planner. MEPES will display the number of units of Blood and Blood Products required to support the Theater. The planner may display each individual category separately or may display the total requirement The planner may chose to display the data as a bar graph for the individual items or as a stacked bar graph for the total combined requirement.

K.3.7 Evacuation Workload

MEPES allows the medical planner to generate a time-phased graph of the medical evacuees
by OPZONE/Sector, OPZONE, or Theater level of detail. The graph will use the MEPES standard reporting intervals as selected by the planner. MEPES will display the number of evacuees who are litter patients and those who are ambulatory patients. The planner may chose to display each category separately or as a total requirement. The data will be displayed as a bar graph when the separate categories are displayed or as a side-by-side bargraph when the total requirement is selected.

K.3.8 Theater Evacuees Distribution

MEPES allows the medical planner to generate a time-phased graph of the distribution by ASMRO category of the evacuees by OPZONE/Sector or by OPZONE level of detail. The

graph will use the MEPES standard reporting intervals as selected by the planner. The graph will display the number patients in each ASMRO category who are being evacuated into a particular OPZONE. The planner selects both the starting and ending dates for presentation. The planner may chose to display the data as a bar graph, pie chart, or line graph.

K.3.9 Supportable Evacuation Policy (Joint User Only)

The evacuation policy analysis predicts the supportable evacuation policy (the policy that maximizes bed requirements without exceeding bed capabilities) for each OPLAN day for all Theater OPZONEs. To conduct this analysis, the Joint medical planner must first create a JMWF. Once the JMWF is created, the planner will access the Modify JMWF menu option. After identifying the JMWF to be processed, the planner enters the Planning Factors Evac Policy/Delay sub-option. The planner enters the desired global changes to the Evac Policy/Delay parameters, and then executes the PLG/MPM computational processes on the JMWF. The Joint planner can create up to six JMWFs, each with a different evacuation policy following this method. MEPES allows the planner to execute the JMWFs in sequence. Once the computations have been completed, MEPES displays a bed requirements line for each complete JMWF run against the bed capabilities for the OPZONE/Theater. The planner can then view the results to determine which evacuation policy appears to provide the best potential mixture of beds without exceeding the requirements. To conduct a more detailed comparison of the beds required and beds available, projected by each of the JMWFs, the planner should print the PLG/MPM Required Hospital Beds and Available Hospital Beds reports for off-line analysis. If the planner wants to conduct additional JMWF reviews, the planner may access the JMWF Modify option and create new evacuation policy parameters and then rerun the computational processes. The planner may continue to do this process as many times as necessary. The only limitation that is imposed is that the planner can have no more than six JMWFs active at one time. This review process is different than the previous Supportable Evacuation Policy process done in the Medical Planning Model (MPM). The MPM restricted the planner to only eight evacuation policies which ran for the duration of the OPLAN. MEPES allows the planner to use all of the standard policy days from 2 through 60 inclusive. Once the planner enters a EP/ED C-Day, there can be up to 23 subsequent policy changes made. For example, the planner could start with a EP/ED on C-Day then use a new EP/ED on C+12, C+20, C+30, and C+56 in one of the JMWFs while using C-day, C+15, C+28, C+40 and C+50 in another JMWF and continue in a similar manner for all six of the JMWFs to initiate a time-phased comparison of the number of beds available against the number required to support various Evacuation Policy and Delay combinations. The planner may continually change any one or all of the JMWFs being used during the analysis as many times as desired. The primary limitation on the process will be the amount of time required to process the JMWFs. The longer the OPLAN, the more JMWFs used, and the capabilities of the hardware available all impact the speed which the data can be processed.

K.3.10 Medical Force Comparison

The MEPES TPFDD Medical Force Records option allows the medical planner to create hospital force records which are used to conduct an on-screen comparison between the calculated bed requirements and the available beds. The MEPES Assessment Medical Force Comparison option allows the medical planner to generate a time-phased graph of this data. This option

allows the planner to display this data by OPZONE and Theater level of detail. The graph will use the MEPES standard reporting intervals as selected by the planner. The planner may select to display the data by individual bed acuity level or as the total requirement.

K.4 RESTRICTIONS AND LIMITATIONS

To use the MEPES Assessment option, the planner must have first executed the PLG/MPM computational processes for the MWF/JMWF selected.

K.5 ERROR HANDLING

MEPES conducts a verification edit of all primary key data inputs. If data entries do not match required parameters, then MEPES will display an error message with the reason why.

K.6 OUTPUT

.   MEPES will generate and display various types of graphs based upon the sub-option parameter selected.

K.7 INPUT

The Service medical planner selects the Service MWF that will be processed. The Joint medical planner selects the JMWF that will be processed. The following steps describe the process for Assessment execution.

Step 1 - MEPES Main Panel

Figure K-1: MEPES Main Panel.

Click on MEPES MENU BAR.   MEPES Main Menu appears.

Select < Assessment menu option >

Step 2 - Assessment Menu Display

Select < Assessment menu option >

```
IDENTIFY MWF
ADMISSIONS/DISPOSITIONS
AIR CREW REQUIREMENTS
COA ANALYZER ( Not Active)
CLASS I REQUIREMENTS
CLASS VIIIA REQUIREMENTS
CLASS VIIIB REQUIREMENTS
EVACUATION WORKLOAD
THEATER EVACUEE DISTRIBUTION
SUPPORTABLE EVAC POLICY
MEDICAL FORCE COMPARISON
```

If < *Identify MWF* >, go to step 3
If < *Admission/Disposition Workload* > , go to step 4
If < *Air Crew Requirements* > go to step 5 (Joint User Only)
If < *COA Analyzer* >, Not Activated
If < *Class I Requirements* > , go to step 6
If < *Class VIIIA Requirements* > , go to step 7
If < *Class VIIIB Requirements* > , go to step 8
If < *Evacuation Workload* >, go to step 9
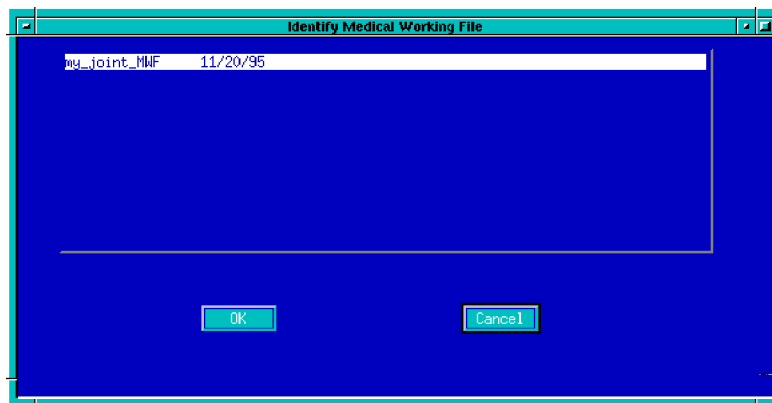If < *Theater Evacuee Distribution* >, go to step 10
If < *Supportable Evac Policy* > , go to step 11 (Joint User Only)
If < *Medical Force Comparison* > , go to step 12

Step 3 - Identify MWF

Figure K-2: List MWF Panel.

MEPES will display a List Box of all MWFs/JMWFs created for current OPLAN.

Select "< MWF / JMWF data record >", then Double Click or Click **OK** button. User returned to MEPES Main Window.

Once the MWF/JMWF is identified, the user may access Assessment Graphs in ANY sequence.

Step 4 - Admissions and Dispositions Graphs

Figure K-3: Admissions Graph Panel.

Click on OPZONE. Enter an active *OPZONE Number*, then Press Return.

NOTE: The Service or Joint user may display Theater level Admissions by entering the letter code **"T"**.

Click on SECTOR. Enter an active *Sector Code*, then Press Return (Service User Only).
Select a reporting DAY INTERVAL by Clicking on appropriate **RADIO** button.

Select CATEGORY option menu, Click on the desired *Admission Category*.

Select FORCES option menu, Click on the desired *Forces Category.*

MEPES will display requested data. User may change DAY INTERVAL, CATEGORY, o
FORCES option by following procedures outlined.

After reviewing Admissions data, user may access Disposition data by Clicking **F8-Review**. The
Dispositions Graph (Figure K-4) for the activated OPZONE/Sector is displayed

*Figure K-4: Dispositions Graph
              Panel.*

OPZONE and Sector are populated with the OPZONE and Sector selected on the Admission
Panel. No changes can be made on this Panel.

Select a reporting DAY INTERVAL by Click on appropriate **RADIO** button.

Select CATEGORY option menu, Click on the desired *Disposition Category.*

Select FORCES option menu, Click on the desired *Forces Category.*

MEPES will display requested data. User may change DAY INTERVAL, CATEGORY, or FORCES option by following procedures outlined.

After reviewing Disposition data, Click **F10-Back**. User returned to the Admissions Graph Panel. User may review additional OPZONEs/Sectors by following similar procedures. **IF NO** further review is desired, then Click **F10-Back**. User returned to MEPES Main Window.

Step 5 - AE Air Crew Requirement Graph

Figure K-5: AE Crew Requirements Graph Panel.

Click on OPZONE. Enter an active *OPZONE Number*, then Press Return.

NOTE: The use may display Theater level requirements by entering the letter code **"T"**.

Select a reporting DAY INTERVAL by Clicking on appropriate **RADIO** button.

Select GRAPH TYPE option menu, Click on the desired *Graph type*.

User may change OPZONEs by entering a new *OPZONE Number* and Pressing Return. **IF NO** further review is desired, then Click **F10-Back**. User returned to MEPES Main Window.
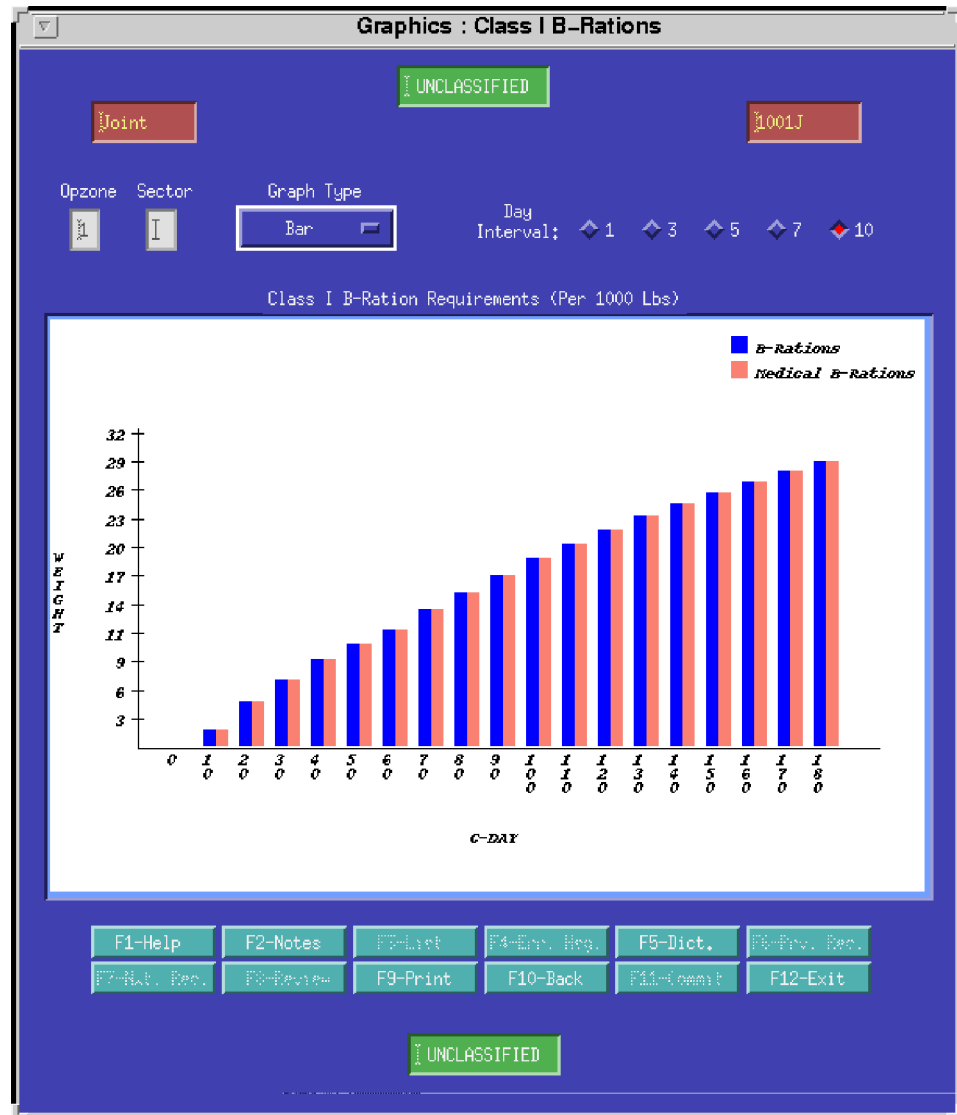
Step 6 - Class I B-Ration Graph

Figure K-6: Class I B-Ration Requirements Panel.

Click on OPZONE. Enter an active *OPZONE Number*, then Press Return.

NOTE: User may display Theater level Class I B-Ration requirements by entering the letter code **"T".**

Click on SECTOR. Enter an active *Sector Code*, then Press Return (Service User Only).

Select a reporting DAY INTERVAL by Clicking on appropriate **RADIO** button.

Select GRAPH TYPE option menu, Click on the desired *Graph type*.

User may change OPZONEs by entering a new *OPZONE Number* and Pressing Return. **IF NO** further review is desired, then Click **F10-Back**. User returned to MEPES Main Window.

Step 7 - Class VIIIA Medical Supplies Graph

Figure K-7: Class 8A Requirements Graph Panel.

Click on OPZONE. Enter an active OPZONE Number.

NOTE: User may display Theater level Class VIIIA requirements by entering the letter code **"T".**

Click on SECTOR. Enter an active *Sector Code*, then Press Return (Service User Only).

Select a reporting DAY INTERVAL by clicking on appropriate **RADIO** button.

User may change OPZONEs/Sectors by entering a new *OPZONE Number* and *Sector Code* and Pressing Return.

IF NO further review is desired, Click **F10-Back.** User returned to MEPES Main Window.

Step 8 - Class VIIIB Blood and Blood Products Graph

Figure K-8: Class 8B Requirements Graph Panel.

Click on OPZONE. Enter an active OPZONE Number.

NOTE: User may display Theater level Class VIIIA requirements by entering the letter code **"T".**

Click on SECTOR. Enter an active *Sector Code*, then Press Return (Service User Only).

Select a reporting DAY INTERVAL by clicking on appropriate **RADIO** button.

User may change OPZONEs/Sectors by entering a new *OPZONE Number* and *Sector Code* and Pressing Return.

IF NO further review is desired, Click **F10-Back**. User returned to MEPES Main Window.

Step 9 - Evacuation Workload Graph

Figure K-9: Evacuation Workload Graph Panel.

Click on OPZONE. Enter an active *OPZONE Number*, then Press Return

NOTE: User may display Theater level Evacuation Workload data by entering the letter code **"T".**

Click on SECTOR. Enter an active *Sector Code*, then Press Return (Service User Only).

Select a reporting DAY INTERVAL by Clicking on appropriate **RADIO** button.

Select CATEGORY option menu, Click on the desired *Evacuation Category*.

User may change OPZONEs/Sectors by entering a new *OPZONE Number* and *Sector Code* and Pressing Return.

IF NO further review is desired, Click **F10-Back**. User returned to MEPES Main Window.

Step 10 - Theater Evacuee Distribution Graph

*Figure K-10: Theater Evacuee Distribution Panel.*

Click on FROM C-DAY. Enter a valid *OPLAN Day*, then Press Return. Click on TO C-DAY.
Enter a valid *OPLAN Day*, then Press Return.   Click on OPZONE. Enter an active *OPZONE
Number*, then Press Return   Select GRAPH TYPE option menu. Click on the desired *Graph
type*.

User may change OPZONEs/Sectors, From/To C-Days, and Graph Types, by entering a new
OPZONE Number, OPLAN Day, or Graph Type, as necessary.

IF NO further review is desired, Click **F10-Back**. User returned to MEPES Main Window.

Step 11 - Supportable Evac Policy Graph (Joint User Only)

MEPES will display a Joint Medical Working File Selection List Box will all available JMWFs displayed.
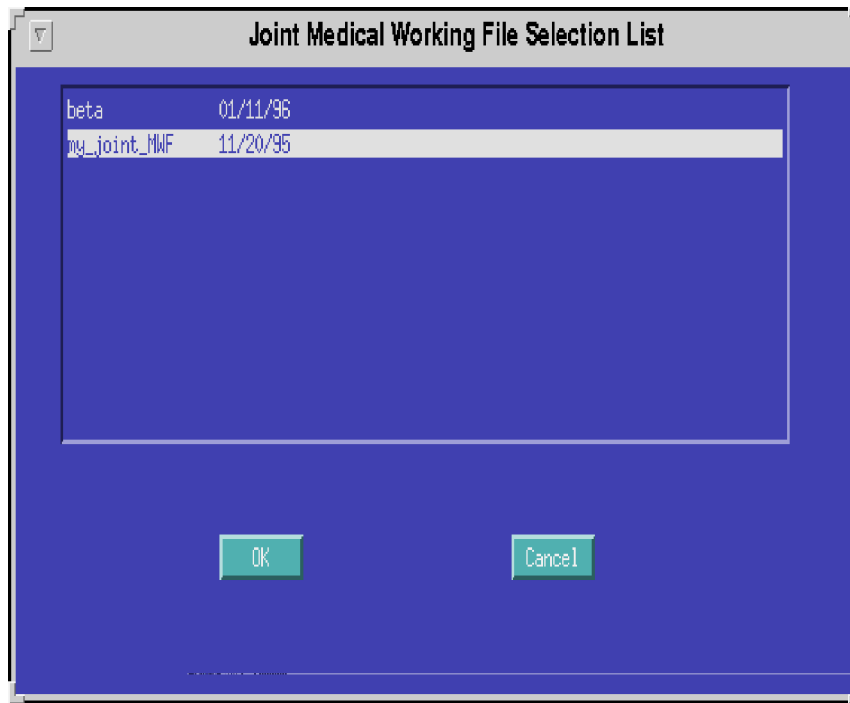
Figure K-11: JMWF Selection Panel.

Select "< Joint MWF data record(s) >", then Double Click, or Click **OK** button.

MEPES allows the user to select up to six JMWFs to process during the Supportable Evacuation Analysis processing. The user may select JMWF data records in sequence by Clicking the first JMWF data record and Holding down the SHIFT key to move through desired JMWFs. The user may select JMWF data records out of sequence by Clicking the first JMWF data record and Holding down the CTRL key while selecting the desired JMWFs.

Once the user has selected the desired JMWFs, MEPES displays the SEP Comparison Graph. The Graph will display graph lines which depict the total number of beds required for each JMWF used. The planner must ensure that each JMWF used must be for the same OPLAN and that the length of the OPLAN used in the computational processing is equal. The graph will also display a total bed capability graph line for the OPLAN selected. This bed capability will be determined by MEPES reading either the OPLAN TPFDD extract or the Service planner's bed availability parameters contained in the Service MWF. MEPES can display all six bed requirement graph lines against the bed capability line. By using multiple JMWFs and modifying EP/ED parameters, the planner may conduct numerous "what if" drills to assist in determining the Theater's Supportable Evac Policy. The Joint Planner must use the EP/ED Modify sub-option on the MEPES MWF menu to change EP/ED parameters. Once completed, the JMWF computational processing must be rerun.

NOTE: The user <u>must</u> have previously executed the PLG/MPM computational processing against the selected JMWFs in order to invoke this option.

Select a reporting GRAPH INTERVAL by Clicking on appropriate **RADIO** button.

Click on OPZONE. Enter an active *OPZONE Number*, the Press Return.

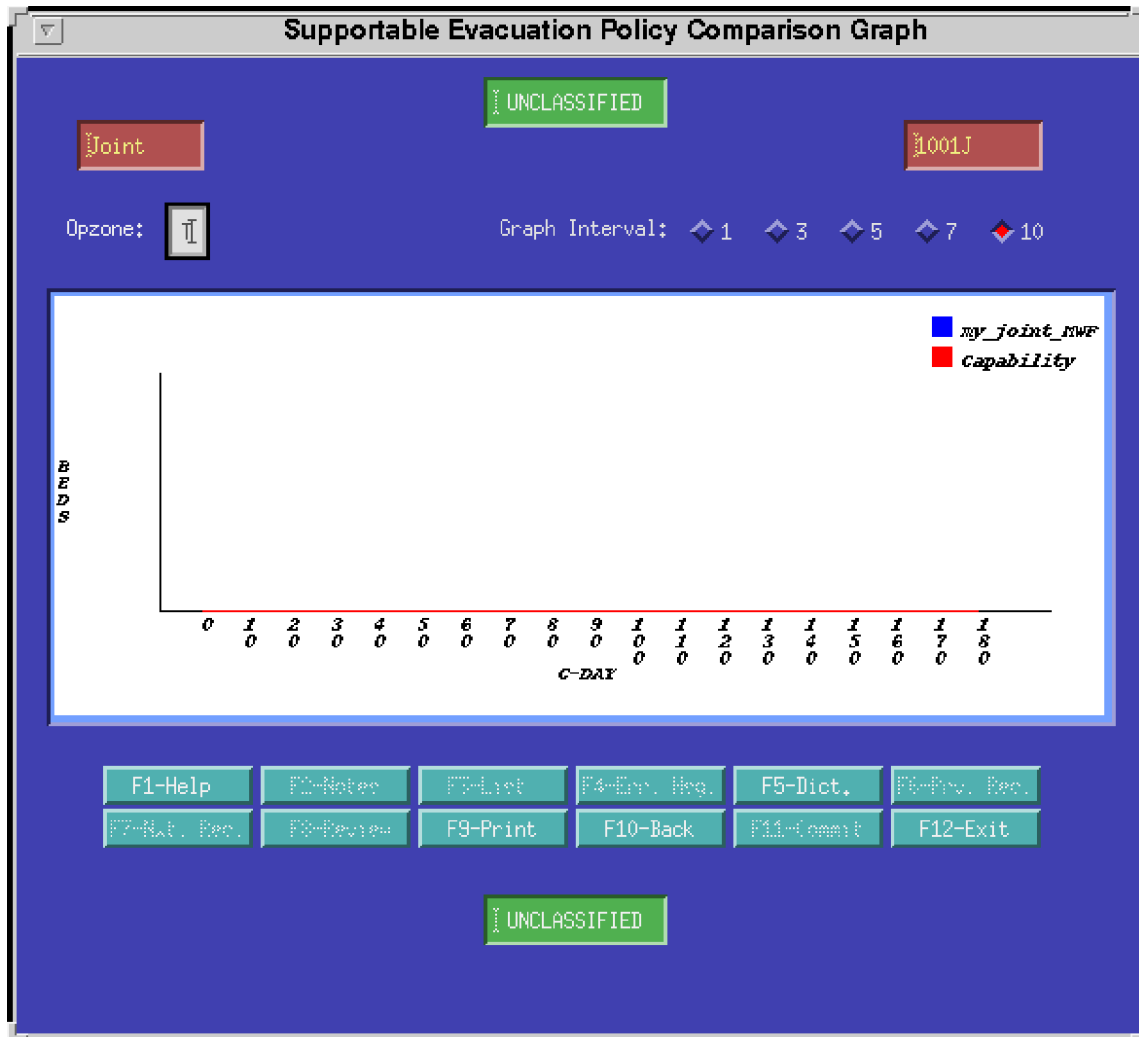NOTE: User may display Theater level of detail by entering the letter code **"T"**.

Figure K-12: SEP Comparison Graph Panel.

User may change OPZONEs by entering a new *OPZONE Number* and Pressing Return.
IF NO further review is desired, then Click **F10-Back**. User returned to MEPES Main Window.
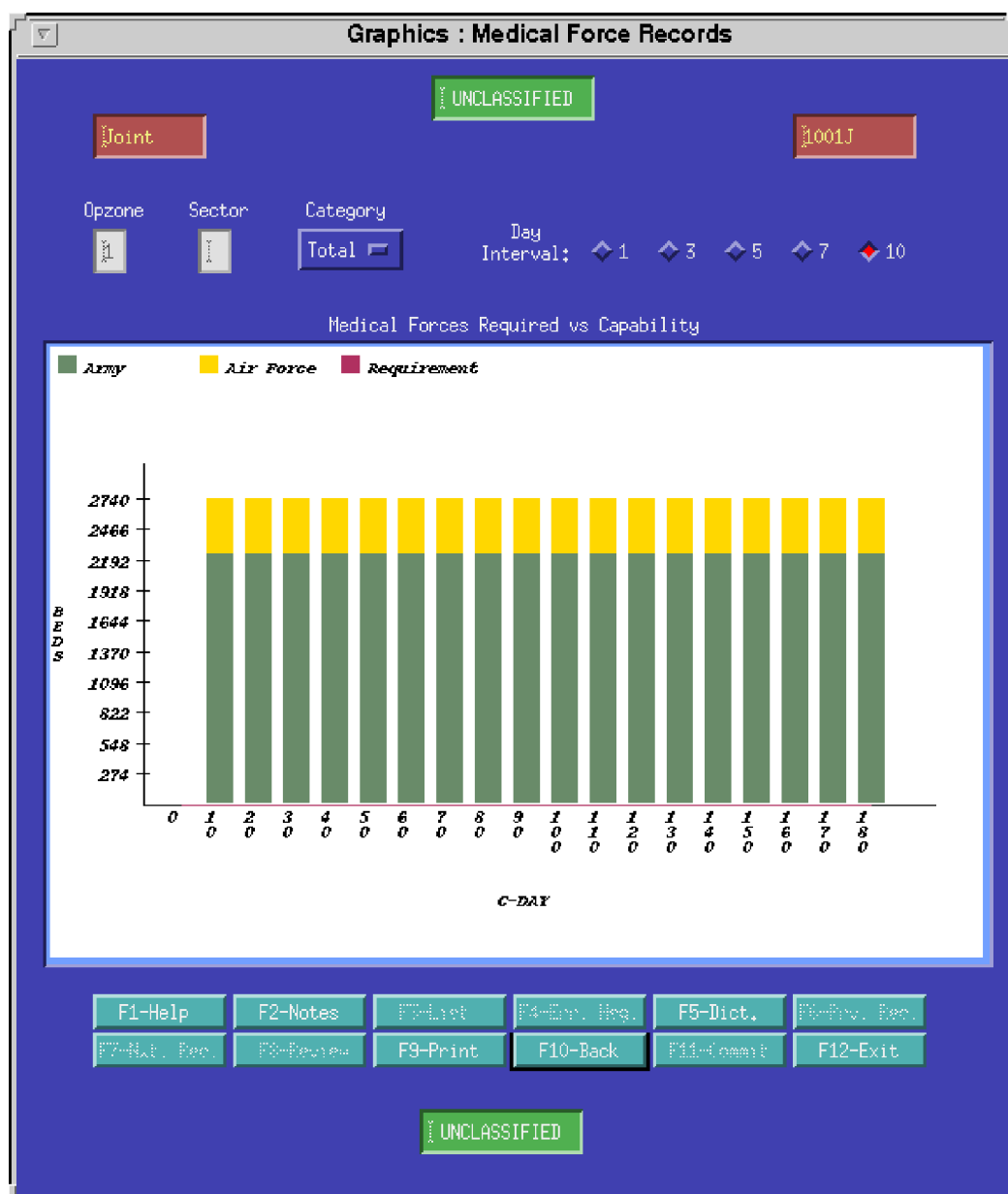
Step 12 - Medical Force Comparison Graph

Figure K-13:   Medical Force Comparison Graph Panel.

Click on OPZONE. Enter an active *OPZONE Number*, then Press Return.

NOTE: User may display Theater level of detail by entering the letter code **"T".**

Click on SECTOR. Enter an active *Sector Code*, then Press Return (Service User Only).

Select a reporting DAY INTERVAL by Clicking on the appropriate **RADIO** button.

Select CATEGORY option menu, Click on the desired *Bed Acuity Category*.

User may change OPZONEs/SECTORS, DAY INTERVAL, or CATEGORY option by following procedures outlined.

IF NO further review is desired, then Click **F10-Back.** User returned to MEPES Main Window.